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	1		oc. Natl. Acad. Sci., U									
WD,MD	2		nedron Computer Meth									
MD.	3						94 Abotant					
	4	Saito et al., Experimental Medicine, Vol. 12, No. 4 (March Issue), pp 68 (444)-70(446), 1994. — Horrical Itai et al., Structural Analysis of Malarial DHFR and Inhibitor Design, Report in Fiscal Year Heisei 6 (March Issue)										
M.		1995) on "chemistry of Natural Super Molecules" in the intensive field research made by a subsidy of the										
		Ministry of Educat	ion, March 1995, pp. 2	212-215. Abstract	mhy		no time					
	5	Tomioka et al., Inf	ection Inflammation a	nd Tissue Immunity, V	ol. 25, No. 2	2 , pp 56 (128)-5	9 (131), June 1995.					
WO.	6	Nishibata et al., Te	trahedron, Vol. 47, pp	. 8985-8990 (1991).								
W.	7	Nishibata et al., J.	Nishibata et al., J. Med. Chem., Vol. 36, pp. 2921-2928 (1993)									
wo.	8	Boehm, Journal of	Computer-Aided Mol	ecular Design, 6 (1992	2)593-606.							
no.	9	Pearlman et al., J. Of Comp. Chem., Vol. 14, No. 10, pp. 1184-1193, 1993.										
no.	10	Gehlhaar et al., J.	of Med. Chem., 1995,	Vol. 38, pp. 466-472.								
no.	11	Boehm, Journal o	f Computer-Aided Mol	ecular Design, 6 (1992	2)61-78.							
no.	12	Rotstein and Murc	cko, J. Med., Chem., V	ol. 36, pp.1700-1710,	1993.							
no.	13	Gillet et al., J. Con	mput. Aided Mol. Desig	gn, 7 (1993) 127-153.								
no.	14	Eisen et al., PROTEINS: Struct. Func. Genet., Vol. 19, pp. 199-221, 1994.										
A407	15	Inoue et al., "The 19th Symposium for Structure-Activity Relationship", subject number 29S23, 1991, inc										
Ma		pp. 316-319 and pp. 372 with English abstract. Abstract why										
	16	Kanazawa et al. "The 20th Symposium for Structure-Activity Relationship", subject number 27S22, 1992,										
W.			-261 and pp. 322 with		betuti							
2.	17	Takeda et al. "The	21st Symposium for	Λ		ubject number 2	26S25, 1993, includ					
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MO.	_	18	Ullman. J. Assoc. Co	mput. Mac	h., Vol. 23, pp	. 31, 1976.			4					
no.		19	Sadowski et al. Cher	n. Rev., Vol	l. 93, pp. 2567	-2581, 1993.			-					
W.		20	Tomoika et al. J. Co.											
MD.		21	Kato et al. Tetrahedr	on Lett., Vo	ol. 43, pp. 522	9-5236, 1987.								
Jo.		22	Itai et al. "Molecular Symposium for Rational Drug Design" in 3DQSAR in Drug Design Theory, Methods, and											
•			Applications, Ed. Ku	binyi, H. E	SCOM, Nether	rland, pp. 200-225, 1	1993.							
MDI		23	Mizutani et al. J. Mol. Biol., Vol. 243, pp. 310-326, 1994.											
m.		24	Bolin. J. Biol. Chem., Vol. 257, pp. 13650, 1982.											
Ma		25	Mizutani et al., 24th	Symposium	for Structure	Activity Relationshi	p, Subject N	lumber 14S20 (1996). Why					
MP.		26	Gallop et al., J. Med.	Chem., Vol	l. 37, pp. 1233	-1251 (1994).			0					
no.		27	Burgess, et. al., J. Me	d. Chem., \	/ol. 37, 2985-2	2987 (1994).								
MD		28	Sadowski et al., Chem. Rev., Vol. 93., pp. 2567-2581 (1993).											
Mo.		29	Weiner et al., J. Am.	Chem. Soc.,	Vol. 106, pp.	765-784 (1984).								
mo.		30	Tomioka, J. Of Comp	uter-Aided	Molecular De	sign, Vol. 1, pp. 197	-210 (1987)							
W.		31	Warshel, J. Phys. Che	m., Vol. 83	, pp. 1640-165	52 (1979).								
MO,		32	Fletcher et al., Compu	ter Journal	, Vol. 6, pp 16	53 (1968).								
no.	1	33	Kabsch, Acta. Cryst.,	A32, pp. 9	22 (1976).									
Ma	4	34	Kabsch, Acta. Cryst., A34, pp. 827-828 (1978).											
40-	1	35	Press et al. "Numerica	l Recipes in	ı C"; Cambrid	ge University Press,	1989 pa	4cs 209-30	To translation					
mo.	_	36	DESJARLAIS et al. J.	Med. Cher	<u>n.</u> 31, pp. 722-	-729 (1989).								
Mo	\perp L	37	LAM et al. Science 26	3, pp. 380-	384 (1994).									
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